

Listing of Halden Reports for 2003-2004

REPORTING IN THE FUEL AND MATERIALS AREA 2003 - 2004		
Ch. 2	Report No.	Fuel High Burnup Capabilities in Normal Operating Conditions
	HPR-362/7	B.C. Oberländer, M. Sobieska, M. Espeland, H.K. Jenssen (IFE): <i>"Post irradiation examination of two MOX fuel rods re-irradiated in IFA-648/629.3"</i> .
	HPR-362/8	H.K. Jenssen, B.C. Oberländer, M. Sobieska, M. Espeland (IFE): <i>"Post-irradiation examination of two high burnup UO₂ fuel rods, with and without gadolinia, irradiated in rig IFA-515"</i> .
	HWR-729	A. Horvath: <i>"The MOX fuel behaviour test IFA-597.4/5/6/7: Summary of in-pile fuel temperature and gas release data"</i> .
	HWR-755	H. Horn: <i>"In-reactor creep of various fuel claddings: Results from IFA-663"</i> .
	HWR-761	B. Volkov, V. Lestinen: <i>"Review of WWER fuel behaviour compared with PWR fuel in IFA-503"</i> .
	HWR-763	P. Blair, J. Wright: <i>"The IMF/MOX comparative test, IFA-651.1: Results after four cycles of irradiation"</i> .
	HWR-764	J. Wright: <i>"The SBR MOX and UO₂ comparison test in gas flow rig IFA-633: Results after seven cycles of irradiation"</i> .
	HWR-765	J.A. Turnbull: <i>"The high initial rating experiment: IFA-677; A review of important phenomena and predictions of its behaviour"</i> .
	HWR-767	T. Tverberg, J.C. Kim, B. Volkov: <i>"Qualification of in-pile power and data on UO₂-Gd₂O₃ fuel performance in IFA-636"</i> .
	HWR-769	H. Koike, N. Murakami, E. Kolstad, T. Tverberg: <i>"Ramp tests with two high burnup UO₂ fuel rods in IFA-629.4"</i> .
Ch. 3	Report No.	Fuel Response to Transients
	HWR-762	V. Lestinen: <i>"LOCA testing at Halden, first experiment IFA-650.1"</i> .
	HWR-766	P. Blair, J. Wright: <i>"The high burnup disk irradiation test, IFA-655: Results after three cycles of irradiation"</i> .
Ch. 4	Report No.	Fuel Reliability Issues

	HPR-362/3	P. Bennett: <i>"Results from the second cycle of the PWR crud deposition test (IFA-665.2)".</i>
	HPR-362/5	B. Beverskog: <i>"PWR fuel crud; theoretical aspects".</i>
	HWR-727	A. Horvath: <i>"Results from the 1st - 4th interim inspections of coupons and fuel rods from the PWR corrosion and hydriding test IFA-638".</i>
	HWR-731	P. Bennett: <i>"Results from the first cycle of the PWR crud deposition test (IFA-665.1)".</i>
Ch. 5	Report No.	Plant Lifetime Assessments
	HPR-362/4	T.M. Karlsen: <i>"In-pile results from crack initiation test (IFA-660) and crack growth tests (IFA-657 and IFA-658)".</i>
	HPR-362/9	J.P. Foster, T.M. Karlsen, R. Van Nieuwenhove: <i>"Irradiation stress relaxation test status and update".</i>
	HWR-725	T.M. Karlsen: <i>Minutes of Halden IASCC Review Meeting 1st November 2002".</i>
	HWR-730	P. Bennett: <i>"In-core ECP and conductivity measurements in IFAs-648, -657, -658, -660".</i>
	HWR-770	T.M. Karlsen, A. Horvath; <i>"Final report on the in-pile crack growth behaviour of irradiated compact tension specimens in IFA-639".</i>
	HWR-771	T.M. Karlsen: <i>"Minutes from IASCC review meeting 12 May 2004".</i>
2003-2004 Papers and Reports in the MTO Area		
Ch. 6	Report No.	Human Performance
	HWR-724	P.Ø. Braarud, A. Bye, E. Lois, G. Andresen, S. Collier, M. Larsen, K. Laumann, J.T. Ludvigsen, S. Massaiu, E. Nystad, Halden Project: <i>"The Halden Reactor Workshop Meeting on Review of Methods and R&D Needs to Address Issues Related to Human Reliability Assessment".</i>
	HWR-757	K. Laumann, J.T. Ludvigsen, P.Ø. Braarud, H. Svengren, Halden Project: <i>"Effects of Task Complexity on Operators' Performance in Eight Medium LOCA Scenarios (Recovery Experiment 2002)"</i>

	HWR-758	P.Ø. Braarud, K. Laumann, H. Svengren, Halden Project: <i>"Task Complexity and Plant Conditions Experiment 2003"</i>
	HWR-756	J.T. Ludvigsen, S. Collier, H. Svengren, Halden Project: <i>"Contextually Anchored Scenario Transcripts (CAST): A Framework for Describing the Context of Experimental Scenarios"</i>
	HWR-759	G. Andresen, H. Svengren, J. Heimdal, S. Nilsen, J.E. Hulsund, R. Bisio, X. Debroise, Halden Project: <i>"Procedure Automation: The Effect of Automated Procedure Execution on Situation Awareness and Human Performance"</i>
	Paper	A.B.M. Skjerve, S. Strand, G. Skraaning Jr., Halden Project: <i>"Extended Teamwork: Team Performance in Highly Automated Nuclear Power Plants"</i>
	HWR-760	S. Massaiu, A.B.M. Skjerve, G. Skraaning Jr., S. Strand, I. Wærø, Halden Project: <i>"Studying Human-automation Interactions: Methodological Lessons Learned from the Human-centred Automation Experiments 1997-2001"</i>
	HPR-361	G. Skraaning Jr., Halden Project: <i>"Experimental Control Versus Realism: Methodological Solutions for Simulator Studies in Complex Operating Environments"</i>
	HPR-360	A. Drøivoldsmo, Halden Project: <i>"New Tools and Technology for the Study of Human Performance in Simulator Experiments"</i>
	HWR-747	S. Nilsen, R. Bisio, J.T. Ludvigsen, Halden Project: <i>"Knowledge Management in the NPP Domain"</i>
	Paper	J.T. Ludvigsen, Halden Project: <i>"Organisational Learning - Literature Review and Plans for 2004"</i>
Ch. 7	Report No.	Control Room Engineering and HSI Design and Evaluation
	Paper	T. Gunnarsson, OKG, J.E. Farbrot, Halden Project: <i>"The Control Room Upgrade in the Oskarshamn 1 Modernisation Project"</i>
	HWR-750	Ø. Veland, Halden Project: <i>"State-of-the-Art Report on Ecological Interface Design"</i>
	HWR-752	G. Andresen, M. Friberg, A. Teigen, Halden Project, D. Pirus, EdF: <i>"Function-oriented Display System: Background and First Prototypes"</i>
	Paper	R. Welch, A.O. Braseth, Ø. Veland, Halden Project: <i>"Information Rich Display Design "</i>

	Paper	C. Nihlwing, H. Svengren, Halden Project: <i>"Innovative Displays for BWR Process Surveillance"</i>
	HWR-754	J. Heimdal, G. Skraaning jr., P.Ø. Braarud, Halden Project: <i>"Integrated System Validation: Status and Research Needs"</i>
	HWR-751	N. Førdestrømmen, Halden Project: <i>"Task-based Displays - Rationale, Design, User Test and Assessment "</i>
	HWR-753	Ø. Veland, Halden Project: <i>"Workshop Meeting on "Innovative Human-System Interfaces and their Evaluation", 1st - 2nd September 2003"</i>
Ch. 8	Report No.	Virtual and Augmented Reality Applications and Wireless Technology
	HWR-732	A. Drøivoldsmo, A. Olsen, S. Helgar, Halden Project, M. Reigstad, NTNU: <i>"Distributed Decision Making and Wearable Computing"</i>
	HWR-733	A. Drøivoldsmo, P. Johansen, A. Olsen, S. Helgar, Halden Project, O.M. Strand, M. Reigstad, NTNU: <i>"Interaction and Control in Wearable Computing"</i>
	HWR-734	A. Sebok, E. Nystad, Halden Project: <i>"Training in Virtual Reality: A Comparison of Technology Types"</i>
	HWR-720	A. Sebok, S. Helgar, E. Nystad, Halden Project: <i>"Navigation in Desktop Virtual Environments: An Evaluation and Lessons-Learned During Experimental and Usability Studies"</i>
	HWR-735	E. Nystad, A. Sebok, G. Meyer, Halden Project: <i>"Validation of Radiation Dose Estimations in VRdose: Comparing Estimated Doses with Observed Radiation Doses"</i>
Ch. 9	Report No.	Plant Operation and Maintenance Support
	HWR-706	S. Figedy, Halden Project: <i>"Computational Intelligence Possibilities in the Loose Part Monitoring System"</i> .
	HWR-741 HWR-742	A. Kirschner, M. Hoffmann, Halden Project: <i>"Peano NNPLS: Advancements in 2002-2003"</i> and M. Hoffmann, F. S. Gran, H. P-J. Thunem, Halden Project: <i>"On-line Monitoring for Calibration Reduction"</i>
	Paper	P. F. Fantoni, Halden Project, G. A. Zanetta, L. Gregori, CESI: <i>"The Use of PEANO for On-line Monitoring of Fossil Power Plants"</i>
	HWR-743	D. Roverso, Halden Project: <i>"The XCNN Flow Meter - A Combined Cross-Correlation and Neural Network Model"</i>
	HWR-745	H. P-J. Thunem, Halden Project: <i>"Knowledge-based Vision -The Initial Phase"</i>

	HWR-746	P. F. Fantoni, Halden Project: <i>"NPP Wire System Aging Assessment and Condition Monitoring: State-of-the-Art Report"</i>
	HWR-744	D. Roverso, J.E. Farbrot, F. S. Gran, M. Hoffmann, Halden Project: <i>"Condition Monitoring and Diagnostic Systems Integration - Guiding Principles and Practical Examples"</i>
	HWR-749	S. Sunde, J. Bánáti, Halden Project: <i>"Robust Data Reconciliation with TEMPO"</i>
	Paper	Cs. Major, KFKI, S. Sunde, J. Bánáti, Halden Project, J. Végh, KFKI, M. Ignits, Paks NPP: <i>"Application of TEMPO for Modelling a VVER-440 Secondary Circuit"</i>
	Paper	J. Porsmyr, A. Hornæs, K.T. Hansen, Halden Project, A. Ionov, V. Adeev, S. Burlov, Kola NPP: <i>"User Experiences Using the Operator Support Systems SCORPIO and SPDS at Kola NPP"</i>
	Paper Paper	J. Porsmyr, T. Bodal, W.H. Beere, Halden Project, Y. Kobayashi, T. Maeda, TEPCO Systems Corporation: <i>"SCORPIO-BWR: Status and Future Plans"</i> , and J. Porsmyr, H.Ø. Kvilesjø, Halden Project, M. Ijiri, K. Miyawaki, Yonden Engineering Corporation: <i>"A Study of the Advancement of a Reactor Core Design Environment"</i>
	HWR-748	R. Bisio, J.E. Hulsund, S. Nilsen, Halden Project: <i>"Computer-Assisted Procedure Maintenance"</i>
Ch. 10	Report No.	System Safety and Reliability
	HWR-694	R. Winther, M. Kristiansen, Halden Project: <i>"Safe Use of Pre-developed Software in Critical Systems - State-of-the-Art Report"</i>
	HWR-705	R. Fredriksen, A. P-J. Thunem, Halden Project: <i>"The Halden Reactor Project Workshop Meeting on Review of Methods and R&D Needs to address Issues related to Risk & Safety Assessment of Digital Systems"</i>
	HWR-728	N. Salabashyan, Halden Project: <i>"Standard-based Criteria for the Evaluation of Documentation of a Computer Based System"</i> .
	Paper	G. Dahll, Halden Project: <i>"Joint Activities on Software Safety between TÜV-Nord, GRS/ISTec and the Halden Project"</i>
	HWR-737	A. P-J. Thunem, H. P-J. Thunem, F. S. Gran, Halden Project: <i>"Application of PEANO and ALADDIN in Fault Detection and Diagnosis of Real-Time Software"</i>

	HWR-738	T. Sivertsen, Halden Project: <i>"PetriNets - Part 1: Concepts and Application Areas"</i>
	HWR-739	G. Dahll, Halden Project: <i>"Error Propagation/Error Containment - A Survey"</i>
	HWR-736	A. P-J. Thunem, Halden Project: <i>"Capability-oriented Agent Theory and its Applications in Dependable Engineering of Systems and Processes"</i>
	HWR-740	B.A. Gran, R. Fredriksen, A. P-J. Thunem, Halden Project: <i>"Model-based Risk Assessment - the CORAS Framework"</i>
	Paper	A. Helminen, VTT Industrial Systems, B.A. Gran, M. Kristiansen, R. Winther, Halden Project: <i>"Use of Operational Data for the Assessment of Pre-existing Software"</i>
	Paper	T. Sivertsen, R. Fredriksen, A. P-J. Thunem, Halden Project, J-E. Holmberg, J. Valkonen, O. Ventä, VTT Industrial Systems, J-O. Andersson, Ringhals: <i>"Traceability and Communication of Requirements in Digital I&C Systems Development - The TACO Project"</i>
	HWR-726	T. Sivertsen, Halden Project: <i>"Effective Quality Auditing"</i>

List of Public Reports from HRP MTO in 2003-2004

Ch. 6	Report No.	Human Performance
	IFE/HR/E-2003/014	<i>"The Man without a Face, and other Stories about Human-Centred Automation in Nuclear Process Control"</i> . G. Skraaning Jr., A.B.M. Skjerve. Paper presented at HCI International 2003, 22-27 June 2003, Heraklion, Crete, Greece
	IFE/HR/E-2003/022	<i>"A Classification of Validation Criteria for New Operational Design Concepts in Nuclear Process Control"</i> . A.B.M. Skjerve and G. Skraaning. Paper presented at the SEGHOFF Workshop "Modifications at Nuclear Power Plants - Operating Experience, Safety Significance and the Role of Human Factors & Organisation", Paris, France, 6-8 October, 2003
	IFE/HR/E-2003/028	<i>"Experiments in the Halden Human-Machine Laboratory (HAMMLAB) investigating Human Reliability"</i> . G. Andresen, P.Ø. Braarud, A. Bye, F. Øwre. Paper presented at EUROSAFE 2003, Paris, 25 th -26 th November 2003.
	IFE/HR/E-2004/003	<i>"Design and Evaluation of Virtual Reality Systems: A Process to ensure Usability"</i> . A. Sebok, E. Nystad. Paper presented at the Virtual Reality Design and Evaluation Workshop 2004, Nottingham, UK, 22 nd -23 rd January, 2004.
	IFE/HR/E-2004/004	<i>"Function Allocation: Which Methods, When?"</i> A. Bye, E. Nystad, A. Drøivoldsmo. Paper presented at CSEPC, Japan, October 2004.

	IFE/HR/E-2004/005	<i>"Task Complexity as a Factor for Human Reliability Assessment"</i> P.Ø. Braarud, K. Laumann, H. Svengren. Paper presented at PSAM7/ESREL'04 Conference, 14.-18. June, 2004, Berlin.
	IFE/HR/E-2004/006	<i>"Improving the Empirical Basis for Human Reliability Assessment by Simulators Experiments"</i> A. Bye, P.Ø. Braarud. Paper presented at PSAM7/ESREL'04 Conference, 14.-18. June, 2004, Berlin.
	IFE/HR/E-2004/008	<i>"Methods for Design of Human Automation Interaction"</i> A. Bye. Paper presented at the Fourth American Nuclear Society Internantional Topical Meeting on Nuclear Plant Instrumentation, Controls and Human-Machine Interface Technologies (NPIC&HMIT 2004), Colombus, Ohio, September 2004.
	IFE/HR/E-2004/028	<i>"Usability Evaluation of the HAMBO Alarm System"</i> . M. Kaarstad. 2004-11-09.
Ch. 7	Report No.	Design and Evaluation of Human System Interface and Control rooms
	IFE/HR/E-2004/010	<i>"Status and Further Plans for the Halden MMS Activities"</i> , F. Øwre, G. Andresen, A. Drøivoldsmo, N. Førdestrømmen, C. Nielwing, H. Svengren, Ø. Veland. Paper presented at "The 6 th International Conference on Nuclear Thermal Hydraulics, Operations and Safety (NUTHOS-6), Nara, Japan, October 4-8, 2004.
Ch. 8	Report No.	Virtual Reality for Design, Planning and Training
	IFE/HR/E-2003/002	<i>"Using Wearable Equipment for an Augmented Presentation of Radiation"</i> . A. Drøivoldsmo, T. Johnsen, M.N. Louka, M. Reigstad. Paper presented at the EPRI Wireless Conference, Orlando, Florida, 2002-11-19 - 11-21
	IFE/HR/E-2003/003	<i>"Using wearable equipment for an augmented presentation of radiation"</i> . A. Drøivoldsmo, T. Johnsen, M.N. Louka, M. Reigstad. Paper presented at the EPRI Wireless Conference, Orlando, Florida, 19-21 November 2002.
Ch. 9	Report No.	Operation and Maintenance in a Competitive Electricity Market
	IFE/HR/E-2003/004	<i>"Development and Validation of Steam Generator Models for Thermal Performance Monitoring"</i> . J. Bánáti, S. Sunde. Paper presented at the 11 th International Conference on Nuclear Engineering, Tokyo, Japan, April 20-23, 2003 ICONE11-36392.
	IFE/HR/E-2003/009	<i>"An Algorithm for generating Modular Hierarchical Neural Network Classifiers: a Step towards larger Scale Applications"</i> . D. Roverso. Paper presented at the AeroSense conference, Orlando, Florida, USA, 21-25 April, 2003.
	IFE/HR/E-2003/010	<i>"Fault Diagnosis with the Aladdin Transient Classifiers"</i> . D. Roverso. Paper presented at the AeroSense conference, Orlando, Florida, USA, 21-25 April, 2003.

	IFE/HR/E-2003/015	<i>"The Use of NNPLS Algorithm for On-line Calibraton Monitoring"</i> . A. Kirschner. Paper presented at EUSFLAT 2003, Zittau, Germany 10 th -12 th September, 2003.
	IFE/HR/E-2004/001	<i>"Enhancing Cross-Correlation Analysis with Artificial Neural Networks for Nuclear Power Plant Feedwater Flow Measurement"</i> D. Roverso, D. Ruan. Paper printed in Real-LTime Systems - Vol. 27, no 1 (May 2004), pp 85-96
	IFE/HR/E-2004/002	<i>"Artificial Intelligence Techniques for On-Line Monitoring of Fossil Power Plants"</i> . P. Fantoni, L. Gregori, G.A. Zanetta. Paper presented at IMTC 2004 - Instrumentation and Measurement Technology Conference, Como, Italy, 18-20 May, 2004.
	IFE/HR/E-2004/009	<i>"On-line Calibration Monitoring with PEANO"</i> , M. Hoffmann. Paper presented at NPIC/HMIT 2004, Columbus, Ohio, 19 th -22 nd September, 2004.
	IFE/HR/E-2004/015	<i>"On-Line Early Fault Detection & Diagnosis with the Aladdin Transient Classifier"</i> , D. Roverso, To appear in Proceeding of NPIC&HMIT-2004, the 4th American Nuclear Society International Topical Meeting on Nuclear Plant Instrumentation, Control and Human-Machine Interface Technologies, September 19-22, 2004, Columbus, Ohio.
	IFE/HR/E-2004/016	<i>"Human Factors Engineering Guidance for Computerized Operator Support Systems HSI Design"</i> , D. Roverso, Ø. Berg, P.F. Fantoni, J.E. Farbrot, M. Hoffmann, S.R. Nilsen, J.O. Porsmyr, and S. Sunde. To appear in Proceeding of NPIC&HMIT-2004, the 4th American Nuclear Society International Topical Meeting on Nuclear Plant Instrumentation, Control and Human-Machine Interface Technologies, September 19-22, 2004, Columbus, Ohio.
	IFE/HR/E-2004/017	<i>"An Approach to Incorporate the Operator Actions in the Simulation of Accident Sequences"</i> . A. Expósito, J.A. Quiroga, A. Ibarra, J. Hortal, J-E. Hulsund, R. Bisio, S. Nilsen. Paper presented at the International Conference Nuclear Energy for New Europa 2004, Portoroz, Slovenia, September 6-9, 2004.
	IFE/HR/E-2004/022	<i>"On-line Monitoring Sytems Integration - Challenges and Prospects"</i> . D. Roverso. Paper presented at the IAEA Technical Meeting - Increasing Instrument Calibration Interval through On-Line Monitoring Technologies, 27 th -29 th September 2004, Halden, Norway.
	IFE/HR/E-2004/029	<i>"Human-Machine Communication"</i> . J.E. Farbrot, Chr. Nihlwing, H. Svengren. Paper presented at: "Digital Leittechnik und Computereinsatz in KKW-Prozessen", 2 nd -3 rd December, Brugg-Windisch, Switzerland.
Ch. 10	Report No.	Digital System Safety report

IFE/HR/E-2003/012	<i>"The HALDEN Open Dependability Demonstrator"</i> . B.A. Gran, R. Fredriksen, R. Winther, S. Mathisen. Published in <i>Safety and Reliability - Bedford and van Gelder (eds)</i> , Swets & Zeitlinger, Lisse, The Netherlands, 2003. ISBN 90-5809-551-7.
IFE/HR/E-2003/013	<i>"Experiences from Application of Model-based Risk Assessment"</i> . R. Fredriksen, B.A. Gran, K. Stølen, I. Djordjevic. Published in <i>Safety and Reliability - Bedford and van Gelder (eds)</i> , Swets & Zeitlinger, Lisse, The Netherlands, 2003. ISBN 90-5809-551-7.
IFE/HR/E-2003/016	<i>"Modelling of Knowledge Intensive Computerised Systems Based on Capability-Oriented Agent Theory (COAT)"</i> . A. P-J. Thunem. Paper presented at KIMAS'03, Boston, USA, 30 th September - 3 rd October, 2003.
IFE/HR/E-2003/017	<i>"Fuzzy-Neuro Risk Assessment of Distributed Real-Time Systems Through Formal and Object-Oriented Systems Modelling"</i> . A. P-J. Thunem. Paper presented at EUSFLAT'03, Zittau, Germany 10 th -12 th October, 2003.
IFE/HR/E-2003/025	<i>"The Need for Risk Assessment of Health Care Information Systems"</i> . B.A. Gran. Presented at Tromsø Telemedicine Conference, 15-17 June 2003, Tromsø, Norway.
IFE/HR/E-2003/026	<i>"CORAS a Model-based Approach for Risk Assessment"</i> . B.A. Gran. Tutorial presented at the Workshop on Information Security in the Health Care Sector in Tromsø 18 September 2003.
IFE/HR/E-2003/027	<i>"The CORAS Methodology for Model-based Risk Assessment"</i> . B.A. Gran. Tutorial presented at Safecomp 2003, 23 September, Edinburgh, Scotland.
IFE/HR/E-2003/031	<i>"A Framework for Dependable Development Process of Complex Computerised Systems"</i> . A. P-J. Thunem. Paper presented at PSAM7 - ESREL'04, Berlin, Germany, June 14-18, 2004.
IFE/HR/E-2003/032	<i>"An Information Retrieval Terminology for Model-Based Risk Assessment"</i> . A. P-J. Thunem, R. Fredriksen, B.A. Gran. Paper presented at PSAM7 - ESREL'04, Berlin, Germany, June 14-18, 2004.
IFE/HR/E-2003/033	<i>"Fault Detection in Real-Time Software Systems using Neuro-Fuzzy Tools for Signal Validation and Diagnosis"</i> . H. P-J. Thunem, A. P-J. Thunem. Paper presented at PSAM7 - ESREL'04, Berlin, Germany, June 14-18, 2004.
IFE/HR/E-2004/020	<i>"An Approach for Model-Based Risk Assessment"</i> . B.A. Gran, R. Fredriksen, A. P-J. Thunem. Paper presented at SAFECOMP 2004, Sept. 21-24, Potsdam, Germany. Published in <i>Computer Safety, Reliability, and Security (LNCS 3219)</i> . Heisel, M. Liggesmeyer, P. Wittmann, S. (Eds). pp 311-324, Springer Berlin-Heidelberg, 2004.
IFE/HR/E-2004/021	<i>"Undefinedness vs. Underspecification in Halden ASL"</i> . T. Sivertsen. Published in <i>Nordic Journal of Computing</i> 11 (2004), 12-34.

	IFE/HR/E-2004/030	<p><i>"An Information Retrieval Terminology for Model-Based Risk Assessment"</i>. A. P-J. Thunem, R. Fredriksen, B.A. Gran. Presented in the joint PSAM 7-ESREL'04 International Conference, Berlin, 14-18, 2004. Printed in the conference proceedings, ISBN 1-85233-827-X, pp 418-423.</p>
	IFE/HR/E-2004/033	<p><i>"Fault Detection in Real-Time Software Systems using Neuro-Fuzzy Tools for Signal Validation and Diagnosis"</i>. H. P-J. Thunem, A. P-J. Thunem. Presented in the joint PSAM 7-ESREL'04 International Conference, Berlin, 14-18, 2004. Printed in the conference proceedings, ISBN 1-85233-827-X, pp1858-1863.</p>
	IFE/HR/E-2004/034	<p><i>"A Framework for Dependable Development Process of Complex Computerised Systems"</i>. A. P-J. Thunem. Presented in the joint PSAM 7-ESREL'04 International Conference, Berlin, 14-18, 2004. Printed in the conference proceedings, ISBN 1-85233-827-X, pp 902-907.</p>
	IFE/HR/E-2004/035	<p><i>"Computerised Systems' Availability, Safety and Security Research at the OECD Halden Reactor Project"</i>. A. P-J. Thunem. Presented in the Fourth American Nuclear Society International Topical Meeting on Nuclear Plant Instrumentation, Controls and Human-Machine Interface Technologies (NPIC&HMIT 2004), Columbus, Ohio, September 19-22, 2004. Published in the conference proceedings, pp 1740-1746</p>